

Name: \_\_\_\_\_

**at1110paper\_\_practice\_\_test (v25)**

1. Factor the expression.

$$x^2 + 17x + 72$$

2. Solve the equation.

$$10x^2 - 49x + 10 = 3x^2 + 2x - 4$$

3. Expand the following expression into standard form.

$$(7x - 9)(7x + 9)$$

4. Expand the following expression into standard form.

$$(4x - 7)(5x + 2)$$

5. Solve the equation with factoring by grouping.

$$20x^2 + 15x + 24x + 18 = 0$$

6. Solve the equation.

$$(6x + 5)(9x + 7) = 0$$

7. Expand the following expression into standard form.

$$(2x - 7)^2$$

8. Factor the expression.

$$64x^2 - 81$$